

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled METHOD FOR IDENTIFYING GENES ENCODING SIGNAL SEQUENCES, the specification of which

is attached hereto.
 was filed on November 7, 1997 as Application Serial No. 08/966,269
and was amended on _____
 was described and claimed in PCT International Application No. _____
filed on _____ and as amended under PCT Article 19 on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Anita L. Meiklejohn, Reg. No. 35,283; J. Peter Fasse, Reg. No. 32,983; John W. Freeman, Reg. No. 29,066; Janis K. Fraser, Reg. No. 34,819; Eldora E. Ellison, Reg. No. 39,967; Timothy A. French, Reg. No. 30,175; Mark F. Boshar, Reg. No. 35,456; Robert Millman, Reg. No. 36,217; Jean M. Silveri, Reg. No. 39,030; and Theodore Allen, Reg. No. P41,578.

Address all telephone calls to Anita L. Meiklejohn at telephone number 617/542-5070.

Address all correspondence to Anita L. Meiklejohn, Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110-2804.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: Sean A. McCarthy

Inventor's Signature: Sean McCarthy Date: 3/26/95

Residence Address: Boston, MA 02114

Citizen of: Great Britain

Post Office Address: 145 Pinckney St., #103, Boston, MA 02114

COMBINED DECLARATION AND POWER OF ATTORNEY CONTINUED

Full Name of Inventor: Michael Joseph Kuranda

Inventor's Signature: M. J. K. Date: 3-30-98

Residence Address: Acton, MA 01720

Citizen of: U.S.A.

Post Office Address: 2 Nash Road, Acton, MA 01720

Full Name of Inventor: Christine Ellen Bulawa

Inventor's Signature: _____ Date: _____

Residence Address: Arlington, MA 02174

Citizen of: U.S.A.

Post Office Address: 11 Grandview Road, Arlington, MA 02174

Full Name of Inventor: Steven Bossone

Inventor's Signature: _____ Date: _____

Residence Address: Lexington, MA 02173

Citizen of: U.S.A.

Post Office Address: 958 Massachusetts Ave., Lexington, MA 02173

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COMBINED DECLARATION AND POWER OF ATTORNEY CONTINUED

Full Name of Inventor: Michael Joseph Kuranda

Inventor's Signature: _____ Date: _____

Residence Address: Acton, MA 01720

Citizen of: U.S.A.

Post Office Address: 2 Nash Road, Acton, MA 01720

Full Name of Inventor: Christine Ellen Bulawa

Inventor's Signature: Christine Ellen Bulawa Date: August 2, 1998

Residence Address: Arlington, MA 02174

Citizen of: U.S.A.

Post Office Address: 11 Grandview Road, Arlington, MA 02174

Full Name of Inventor: Steven Bossone

Inventor's Signature: _____ Date: _____

Residence Address: Lexington, MA 02173

Citizen of: U.S.A.

Post Office Address: 958 Massachusetts Ave., Lexington, MA 02173

272953.B11

COMBINED DECLARATION AND POWER OF ATTORNEY CONTINUED

Full Name of Inventor: Michael Joseph Kuranda

Inventor's Signature: _____ Date: _____

Residence Address: Acton, MA 01720

Citizen of: U.S.A.

Post Office Address: 2 Nash Road, Acton, MA 01720

Full Name of Inventor: Christine Ellen Bulawa

Inventor's Signature: _____ Date: _____

Residence Address: Arlington, MA 02174

Citizen of: U.S.A.

Post Office Address: 11 Grandview Road, Arlington, MA 02174

Full Name of Inventor: Steven Bossone

Inventor's Signature: Steven Bossone Date: 3/30/95

Residence Address: Lexington, MA 02173

Citizen of: U.S.A.

Post Office Address: 958 Massachusetts Ave., Lexington, MA 02173

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sean A. McCarthy et al. Art Unit: 1836
Serial No.: 08/966,269 Examiner: W. Sandals
Filed : November 7, 1997
Title : METHOD FOR IDENTIFYING GENES ENCODING SIGNAL
SEQUENCES

Assistant Commissioner for Patents
Washington, DC 20231

VERIFIED STATEMENT UNDER 37 CFR § 1.821 (f)

I, Maureen Ruttle, declare that I personally prepared the paper and the computer-readable copies of the Sequence Listing filed herewith in the above-entitled case and that the content of both is the same.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of The United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: February 5 1999

Maureen Ruttle
Maureen Ruttle

Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804
Telephone: 617/542-5070
Facsimile: 617/542-8906
3434.A11

Date of Deposit March 30, 1999
I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Carrie A. Quinlan

ASSIGNMENT

For valuable consideration, we, Sean A. McCarthy, of Boston, MA; Michael Joseph Kuranda of Acton, MA; Christine Ellen Bulawa of Arlington, MA; and Steven Bossone of Lexington, MA, hereby assign to MILLENNIUM BIOTHERAPEUTICS, INC., a Delaware corporation having a place of business at 620 Memorial Drive, Cambridge, MA 02142, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled METHOD FOR IDENTIFYING GENES ENCODING SIGNAL SEQUENCES, filed November 7, 1997, and assigned U.S. Serial Number 08/966,269, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge, Massachusetts, this 31st day of MARCH, 1998

Sean A. McCarthy

L.S.

STATE OF MASSACHUSETTS:

:ss.

COUNTY OF Middlesex:

Before me this 31st day of March, 1998, personally appeared

Sean A. McCarthy known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Simonne L. Corriveau
Notary Public Simonne L. Corriveau

[Notary's Seal Here]

My Commission Expires: 9/2/99

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge, Massachusetts,
this 9th day of April, 1998

21 7 '98
MICHAEL JOSEPH KURANDA

L.S.

STATE OF Massachusetts:

:ss.

COUNTY OF Middlesex:

Before me this 9th day of April, 1998, personally appeared

Michael Joseph Kuranda known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Simonne L. Corriveau
Notary Public Simonne L. Corriveau

My Commission Expires: 9/2/99

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge, Massachusetts,
this 2nd day of April, 1998

Christine Ellen Bulawa
CHRISTINE ELLEN BULAWA

L.S.

STATE OF Massachusetts:

:ss.

COUNTY OF Middlesex:

Before me this 2nd day of April, 1998, personally appeared

Christine Ellen Bulawa known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Simonne L. Corriveau
Notary Public Simonne L. Corriveau

My Commission Expires: 9/2/99

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge, Massachusetts,
this 30th day of March, 1998

Steven M.
STEVEN BOSSONE

L.S.

STATE OF Massachusetts:

:ss.

COUNTY OF Middlesex:

Before me this 30th day of March, 1998, personally appeared

Steven Bossone known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Simone L. Corriveau
Notary Public Simone L. Corriveau

My Commission Expires: 9/2/99

[Notary's Seal Here]

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